Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptau129pxo

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

| | | | |
|---|---|---|---|
| NEWS | 1 | | Web Page URLs for STN Seminar Schedule - N. America |
| NEWS | 2 | | "Ask CAS" for self-help around the clock |
| NEWS | 3 | FEB 27 | New STN AnaVist pricing effective March 1, 2006 |
| NEWS | 4 | APR 04 | STN AnaVist $500 visualization usage credit offered |
| NEWS | 5 | MAY 10 | CA/CAplus enhanced with 1900-1906 U.S. patent records |
| NEWS | 6 | MAY 11 | KOREAPAT updates resume |
| NEWS | 7 | MAY 19 | Derwent World Patents Index to be reloaded and enhanced |
| NEWS | 8 | MAY 30 | IPC 8 Rolled-up Core codes added to CA/CAplus and USPATFULL/USPAT2 |
| NEWS | 9 | MAY 30 | The F-Term thesaurus is now available in CA/CAplus |
| NEWS | 10 | JUN 02 | The first reclassification of IPC codes now complete in INPADOC |
| NEWS | 11 | JUN 26 | TULSA/TULSA2 reloaded and enhanced with new search and and display fields |
| NEWS | 12 | JUN 28 | Price changes in full-text patent databases EPFULL and PCTFULL |
| NEWS | 13 | JUL 11 | CHEMSAFE reloaded and enhanced |
| NEWS | 14 | JUL 14 | FSTA enhanced with Japanese patents |
| NEWS | 15 | JUL 19 | Coverage of Research Disclosure reinstated in DWPI |
| NEWS | 16 | AUG 09 | INSPEC enhanced with 1898-1968 archive |

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

| | |
|---|---|
| NEWS HOURS | STN Operating Hours Plus Help Desk Availability |
| NEWS LOGIN | Welcome Banner and News Items |
| NEWS IPC8 | For general information regarding STN implementation of IPC 8 |
| NEWS X25 | X.25 communication option no longer available |

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 19:38:05 ON 17 AUG 2006

=> file reg

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|---|---|---|
| FULL ESTIMATED COST | 0.42 | 0.42 |

FILE 'REGISTRY' ENTERED AT 19:39:27 ON 17 AUG 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.


Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 16 AUG 2006 HIGHEST RN 902024-59-3
DICTIONARY FILE UPDATES: 16 AUG 2006 HIGHEST RN 902024-59-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

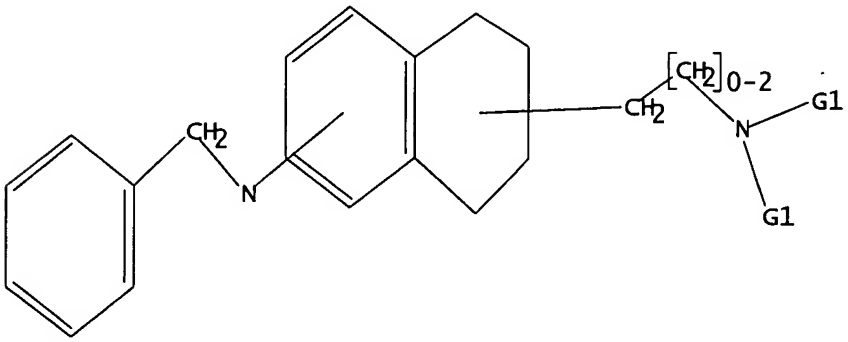
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Program Files\Stnexp\Queries\10645934b.str

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR




G1 Me,Et,n-Pr,i-Pr,n-Bu,i-Bu,s-Bu,t-Bu,H
G2 C,H

Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 19:39:58 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 21803 TO ITERATE

9.2% PROCESSED 2000 ITERATIONS 0 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 427223 TO 444897
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> search l1
ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:.
ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:full
FULL SEARCH INITIATED 19:40:05 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 437985 TO ITERATE

100.0% PROCESSED 437985 ITERATIONS 8 ANSWERS
SEARCH TIME: 00.00.05

L3 8 SEA SSS FUL L1

=> file caplus

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|---|---|---|
| FULL ESTIMATED COST | 167.38 | 167.80 |

FILE 'CAPLUS' ENTERED AT 19:40:22 ON 17 AUG 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)



FILE COVERS 1907 - 17 Aug 2006 VOL 145 ISS 8
FILE LAST UPDATED: 16 Aug 2006 (20060816/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l3
L4 3 L3

=> d l4 fbib ab hitstr 1-3

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1998:608594 CAPLUS
DN 129:216428
TI Preparation of 2-aminoalkylteralines as amyloid-β production inhibitors
IN Kato, Kaneyoshi; Terauchi, Jun; Fukumoto, Hiroaki; Kakihana, Mitsuru

PA Takeda Chemical Industries, Ltd., Japan
SO PCT Int. Appl., 238 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

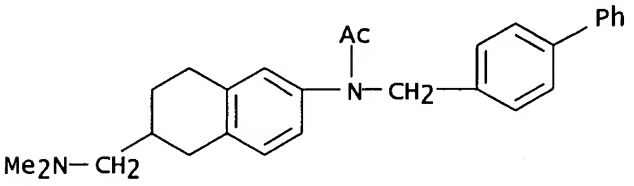
| | PATENT NO. | KIND | DATE | APPLICATION NO. | | DATE |
|---|---|---|---|---|---|---|
| PI | WO 9838156 | A1 | 19980903 | WO 1998-JP780 | | 19980226 |
| | W: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, GW, HU, ID, IL, IS, KG, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TJ, TM, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | | |
| | RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | | | | |
| | | | | JP 1997-43940 | A | 19970227 |
| | | | | JP 1997-193497 | A | 19970718 |
| | CA 2276278 | AA | 19980903 | CA 1998-2276278 | | 19980226 |
| | | | | JP 1997-43940 | A | 19970227 |
| | | | | JP 1997-193497 | A | 19970718 |
| | | | | WO 1998-JP780 | W | 19980226 |
| | AU 9861166 | A1 | 19980918 | AU 1998-61166 | | 19980226 |
| | | | | JP 1997-43940 | A | 19970227 |
| | | | | JP 1997-193497 | A | 19970718 |
| | | | | WO 1998-JP780 | W | 19980226 |
| | JP 11080098 | A2 | 19990323 | JP 1998-44769 | | 19980226 |
| | | | | JP 1997-43940 | A | 19970227 |
| | | | | JP 1997-193497 | A | 19970718 |
| | EP 971878 | A1 | 20000119 | EP 1998-905656 | | 19980226 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI | | | | | |
| | | | | JP 1997-43940 | A | 19970227 |
| | | | | JP 1997-193497 | A | 19970718 |
| | | | | WO 1998-JP780 | W | 19980226 |
| | JP 2003113147 | A2 | 20030418 | JP 2002-264457 | | 19980226 |
| | | | | JP 1997-43940 | A | 19970227 |
| | | | | JP 1997-193497 | A | 19970718 |
| | | | | JP 1998-44769 | A3 | 19980226 |
| | US 6310107 | B1 | 20011030 | US 1999-331460 | | 19990621 |
| | | | | JP 1997-43940 | A | 19970227 |
| | | | | JP 1997-193497 | A | 19970718 |
| | | | | WO 1998-JP780 | W | 19980226 |
| | US 2002032189 | A1 | 20020314 | US 2001-931140 | | 20010816 |
| | US 6613805 | B2 | 20030902 | | | |
| | | | | JP 1997-43940 | A | 19970227 |
| | | | | JP 1997-193497 | A | 19970718 |
| | | | | US 1999-331460 | A3 | 19990621 |
| | US 2004077867 | A1 | 20040422 | US 2003-645934 | | 20030821 |
| | | | | JP 1997-43940 | A | 19970227 |
| | | | | JP 1997-193497 | A | 19970718 |
| | | | | WO 1998-JP780 | A | 19980226 |
| | | | | US 2001-931140 | A3 | 20010816 |

OS MARPAT 129:216428
AB The title compds. [I; Ar = (un)substituted aromatic ring, fused aromatic group; X = a bond, S, SO, SO2, etc.; Y = (un)substituted divalent C1-6 aliphatic hydrocarbon group optionally containing O or S; R1, R2 = H, lower alkyl; NR1R2 = (un)substituted N-containing heterocyclic ring; Ring A = (un)substituted benzene; Ring B = (un)substituted 4-8 membered ring] and their salts, which have the effect of inhibiting amyloid-β protein production and/or secretion and are useful for preventing and/or treating the

neurodegenerative disease such as Alzheimer's disease, were prepared and formulated. Thus, treatment of [6-(4-biphenylyl)methoxy-2-tetralin]-N,N-dimethylacetamide with LiAlH4 in THF afforded II.HCl which showed 74% and 75% inhibition of the production and/or secretion of Aβ1-40 and Aβ1-42, resp.

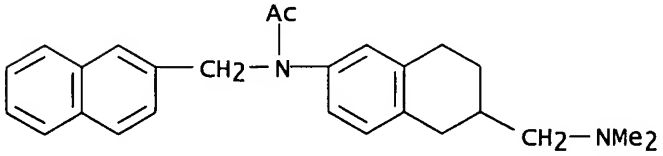
IT 212571-15-8P 212571-16-9P 212571-22-7P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 2-aminoalkyltetralines as amyloid-β production inhibitors)

RN 212571-15-8 CAPLUS
CN Acetamide, N-([1,1'-biphenyl]-4-ylmethyl)-N-[6-[(dimethylamino)methyl]-5,6,7,8-tetrahydro-2-naphthalenyl]-, monohydrochloride (9CI) (CA INDEX NAME)



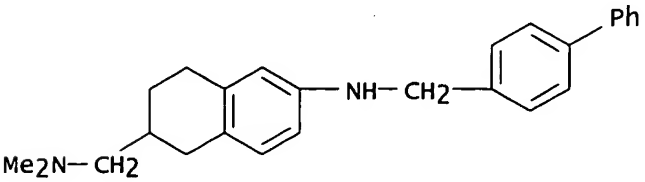

● HCl

RN 212571-16-9 CAPLUS
CN Acetamide, N-[6-[(dimethylamino)methyl]-5,6,7,8-tetrahydro-2-naphthalenyl]-N-(2-naphthalenylmethyl)-, monohydrochloride (9CI) (CA INDEX NAME)




● HCl

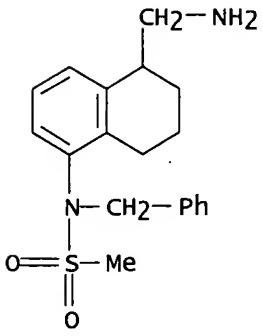
RN 212571-22-7 CAPLUS
CN 2-Naphthalenemethanamine, 6-[([1,1'-biphenyl]-4-ylmethyl)amino]-1,2,3,4-tetrahydro-N,N-dimethyl- (9CI) (CA INDEX NAME)




RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1997:215572 CAPLUS
DN 126:207132
TI Structure-Activity Studies for a Novel Series of Dual 5-HT Uptake Inhibitors/α2-Antagonists
AU Meyer, Michael D.; Hancock, Arthur A.; Tietje, Karin; Sippy, Kevin B.; Prasad, Rajnandan; Stout, David M.; Arendsen, David L.; Donner, B. Greg; Carroll, William A.
CS Neuroscience Research Department 47C, Pharmaceutical Products Division, Abbott Park, IL, 60064, USA
SO Journal of Medicinal Chemistry (1997), 40(7), 1049-1062
CODEN: JMCMAR; ISSN: 0022-2623
PB American Chemical Society
DT Journal
LA English
AB In search of an α2-antagonist/5-HT uptake inhibitor as a potential new class of antidepressant with a more rapid onset of action, compound I was prepared and observed to possess high affinity for the α2-receptor (Ki = 6.71 nM) and the 5-HT uptake site (20.6 nM). A series of tertiary amine analogs of I were synthesized and assayed for their affinity at both the α2-receptor and the 5-HT uptake site. The structure-activity relationship reveals that a variety of structural modifications to the arylethyl fragment are possible with retention of this dual activity. On the tetralin portion, 5-OMe substitution and the (R) stereochem. at C-1 are optimal with alternate substitutions producing compds. retaining high affinity for the α2-receptor but lacking affinity for the 5-HT uptake site. Data for several rigidified 5-O-alkyl analogs suggests that the favored orientation of the oxygen lone pairs may be away from the 6-position of the tetralin.
IT 188111-29-7
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation and structure-activity of dual 5-HT uptake inhibitors/α2-antagonists)
RN 188111-29-7 CAPLUS
CN Methanesulfonamide, N-[5-(aminomethyl)-5,6,7,8-tetrahydro-1-naphthalenyl]-N-(phenylmethyl)-, monohydrochloride (9CI) (CA INDEX NAME)




● HCl

RE.CNT 61 THERE ARE 61 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

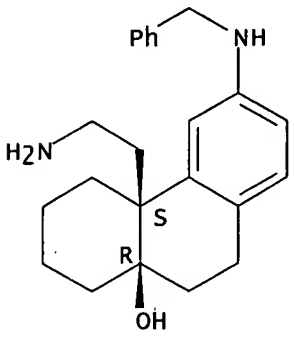
L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1995:478078 CAPLUS
DN 122:239346
TI Preparation of 4a-(aminoethyl)octahydrophenanthren-8a-ols as NMDA antagonists.
IN Godel, Thierry; Gutknecht, Eva-Maria
PA F. Hoffmann-la Roche AG, Switz.
SO Eur. Pat. Appl., 40 pp.
CODEN: EPXXDW
DT Patent
LA German
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|---|
| PI | EP 606661 | A1 | 19940720 | EP 1993-121161 | 19931231 |
| | EP 606661 | B1 | 19970312 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE | | | | |
| | | | | CH 1993-123 A | 19930115 |
| | CA 2111138 | AA | 19940716 | CA 1993-2111138 | 19931210 |
| | | | | CH 1993-123 A | 19930115 |
| | AT 150001 | E | 19970315 | AT 1993-121161 | 19931231 |
| | | | | CH 1993-123 A | 19930115 |
| | ES 2099362 | T3 | 19970516 | ES 1993-121161 | 19931231 |
| | | | | CH 1993-123 A | 19930115 |
| | ZA 9400103 | A | 19940819 | ZA 1994-103 | 19940107 |
| | | | | CH 1993-123 A | 19930115 |
| | AU 9453114 | A1 | 19940721 | AU 1994-53114 | 19940110 |
| | AU 668442 | B2 | 19960502 | | |
| | | | | CH 1993-123 A | 19930115 |
| | HU 69688 | A2 | 19950928 | HU 1994-56 | 19940110 |
| | | | | CH 1993-123 A | 19930115 |
| | JP 06234711 | A2 | 19940823 | JP 1994-1244 | 19940111 |
| | JP 2505978 | B2 | 19960612 | | |
| | | | | CH 1993-123 A | 19930115 |
| | FI 9400147 | A | 19940716 | FI 1994-147 | 19940112 |
| | | | | CH 1993-123 A | 19930115 |
| | BR 9400082 | A | 19940802 | BR 1994-82 | 19940112 |
| | | | | CH 1993-123 A | 19930115 |
| | CN 1097727 | A | 19950125 | CN 1994-100624 | 19940113 |
| | | | | CH 1993-123 A | 19930115 |
| | NO 9400143 | A | 19940718 | NO 1994-143 | 19940114 |
| | NO 180630 | B | 19970210 | | |
| | NO 180630 | C | 19970521 | | |
| | | | | CH 1993-123 A | 19930115 |
| | US 5385947 | A | 19950131 | US 1994-252131 | 19940531 |
| | | | | CH 1993-123 A | 19930115 |
| | | | | US 1994-179215 B1 | 19940110 |

OS MARPAT 122:239346
AB Title compds. [I; R1,R2 = H, (cycloalkyl)alkyl, aralkyl; R3 = H, alkanoyl; R4 = R5 = H or halo; 1 of R4,R5 = H and the other = halo, OH, alkoxy, aryloxy, NH2] were prepared Thus, 7-benzyloxy-1,2,3,4-tetrahydronaphthalen-1-one was α-gem-dialkylated with Br(CH2)4Br and the methylenated product cyclocondensed with ClSO2NCO to give butanonaphthofuranylidenesulf amoyl chloride II which was treated with LAH and the deprotected product acidified to give racemic I.HCl (R1 = R2 = R5 = H, R4 = 3-OH). The latter had IC50 of 73.4nM against dizocilpine binding at rat cortex.
IT 162180-75-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction of, in preparation of NMDA antagonist)

RN 162180-75-8 CAPLUS
CN 8a(4bH)-Phenanthrenol, 4b-(2-aminoethyl)-5,6,7,8,9,10-hexahydro-3-[(phenylmethyl)amino]-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.




=>

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptau129pxo

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

| | | | |
|---|---|---|---|
| NEWS | 1 | | Web Page URLs for STN Seminar Schedule - N. America |
| NEWS | 2 | | "Ask CAS" for self-help around the clock |
| NEWS | 3 | FEB 27 | New STN AnaVist pricing effective March 1, 2006 |
| NEWS | 4 | APR 04 | STN AnaVist $500 visualization usage credit offered |
| NEWS | 5 | MAY 10 | CA/CAplus enhanced with 1900-1906 U.S. patent records |
| NEWS | 6 | MAY 11 | KOREAPAT updates resume |
| NEWS | 7 | MAY 19 | Derwent World Patents Index to be reloaded and enhanced |
| NEWS | 8 | MAY 30 | IPC 8 Rolled-up Core codes added to CA/CAplus and USPATFULL/USPAT2 |
| NEWS | 9 | MAY 30 | The F-Term thesaurus is now available in CA/CAplus |
| NEWS | 10 | JUN 02 | The first reclassification of IPC codes now complete in INPADOC |
| NEWS | 11 | JUN 26 | TULSA/TULSA2 reloaded and enhanced with new search and and display fields |
| NEWS | 12 | JUN 28 | Price changes in full-text patent databases EPFULL and PCTFULL |
| NEWS | 13 | JUl 11 | CHEMSAFE reloaded and enhanced |
| NEWS | 14 | JUl 14 | FSTA enhanced with Japanese patents |
| NEWS | 15 | JUl 19 | Coverage of Research Disclosure reinstated in DWPI |
| NEWS | 16 | AUG 09 | INSPEC enhanced with 1898-1968 archive |

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

| | |
|---|---|
| NEWS HOURS | STN Operating Hours Plus Help Desk Availability |
| NEWS LOGIN | Welcome Banner and News Items |
| NEWS IPC8 | For general information regarding STN implementation of IPC 8 |
| NEWS X25 | X.25 communication option no longer available |

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 20:56:41 ON 17 AUG 2006

=> file reg
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION

FULL ESTIMATED COST 0.84 0.84

FILE 'REGISTRY' ENTERED AT 20:58:56 ON 17 AUG 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.


Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 16 AUG 2006 HIGHEST RN 902024-59-3
DICTIONARY FILE UPDATES: 16 AUG 2006 HIGHEST RN 902024-59-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

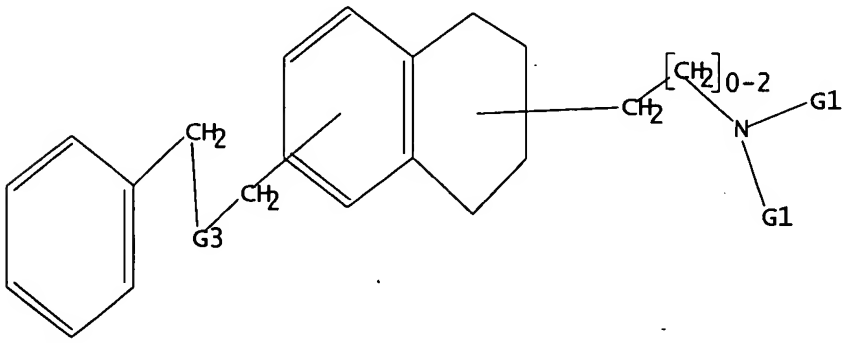
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Program Files\Stnexp\Queries\10645934c.str

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR




G1 Me,Et,n-Pr,i-Pr,n-Bu,i-Bu,s-Bu,t-Bu,H

G2 C,H

G3 O,N

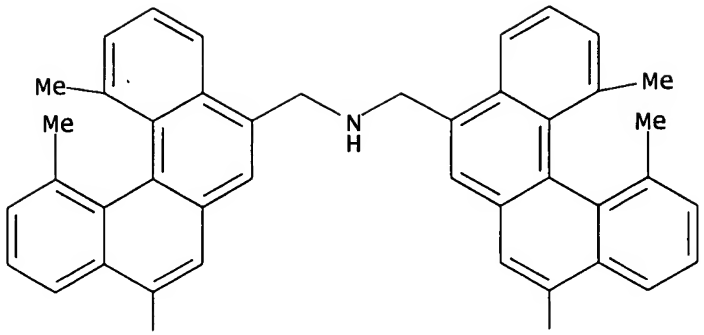
Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 20:59:29 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 29926 TO ITERATE

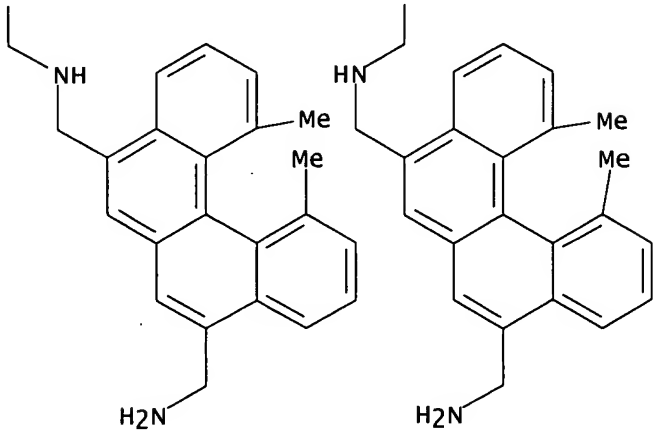
```
  6.7% PROCESSED     2000 ITERATIONS                                  0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       588176 TO   608864
PROJECTED ANSWERS:               0 TO        0

L2            0 SEA SSS SAM L1

=> search l1
ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:.
ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:full
FULL SEARCH INITIATED 20:59:36 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   601416 TO ITERATE

100.0% PROCESSED   601416 ITERATIONS                                42 ANSWERS
SEARCH TIME: 00.00.05

L3           42 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   166.94     167.78

FILE 'CAPLUS' ENTERED AT 20:59:47 ON 17 AUG 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)


Copyright of the articles to which records in this database refer is
held by the publishers listed in the PUBLISHER (PB) field (available
for records published or updated in Chemical Abstracts after December
26, 1996), unless otherwise indicated in the original publications.
The CA Lexicon is the copyrighted intellectual property of the
American Chemical Society and is provided to assist you in searching
databases on STN.  Any dissemination, distribution, copying, or storing
of this information, without the prior written consent of CAS, is
strictly prohibited.

FILE COVERS 1907 - 17 Aug 2006  VOL 145 ISS 8
FILE LAST UPDATED: 16 Aug 2006  (20060816/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l3
L4            6 L3

=> d l4 fbib ab hitstr 1-6

L4   ANSWER 1 OF 6  CAPLUS  COPYRIGHT 2006 ACS on STN
AN   2006:256731  CAPLUS
DN   144:467886
TI   Synthesis of helicenediamine oligomers and their formation of multilayer
```

structures in aqueous solvents
AU Mizukami, Jun; Sugiura, Hiroki; Yamaguchi, Masahiko; Mushiake, Kumiko
CS Department of Organic Chemistry, Graduate School of Pharmaceutical Sciences, Tohoku University, 6-3 Aoba, Aramaki, Aoba-ku, Sendai, 980-8578, Japan
SO Bulletin of the Chemical Society of Japan (2006), 79(2), 317-332
CODEN: BCSJA8; ISSN: 0009-2673
PB Chemical Society of Japan
DT Journal
LA English
OS CASREACT 144:467886
AB Optically active polyamine oligomers containing three to six (P)-5,8-bis(aminomethyl)-1,12-dimethylbenzo[c]phenanthrenes were synthesized employing the two-directional chain extension method. It was critical for the effective coupling of amines and aldehydes to precipitate imine
intermediates using the appropriate solvents. UV, CD, fluorescent, and NMR spectroscopic studies revealed that the above-mentioned oligomers form multilayer structures in aqueous solvents, while they form random coil structures in methanol. Such layer structures contained helicene dyads with an anti-conformation in which the BC-rings of helicenes were stacked on each other, and 1,12-dimethyl groups were arranged in the opposite direction. A diastereomeric trimer was also synthesized, the layer structure of which was different from that of the parent trimer. The stereochem. of the helicene moiety influenced the layer structure.
IT 886572-51-6P 886572-53-8P 886572-57-2P
886572-61-8P 886572-62-9P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(synthesis of helicenediamine oligomers and their formation of multilayer structures in aqueous solvents)
RN 886572-51-6 CAPLUS
CN Benzo[c]phenanthrene-5,8-dimethanamine, N-[[8-(aminomethyl)-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-N'-[[8-[[[[8-(aminomethyl)-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-1,12-dimethyl-, pentahydrochloride, stereoisomer (9CI) (CA INDEX NAME)

PAGE 1-A




PAGE 2-A

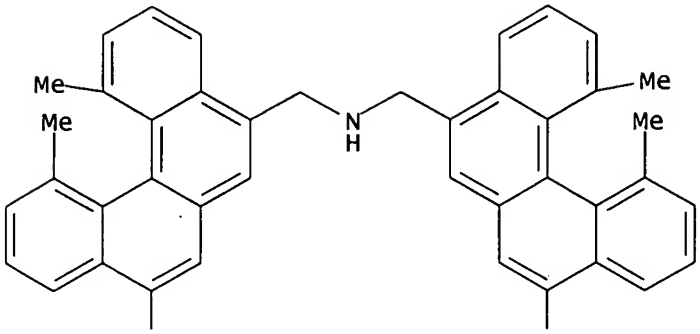



● 5 HCl

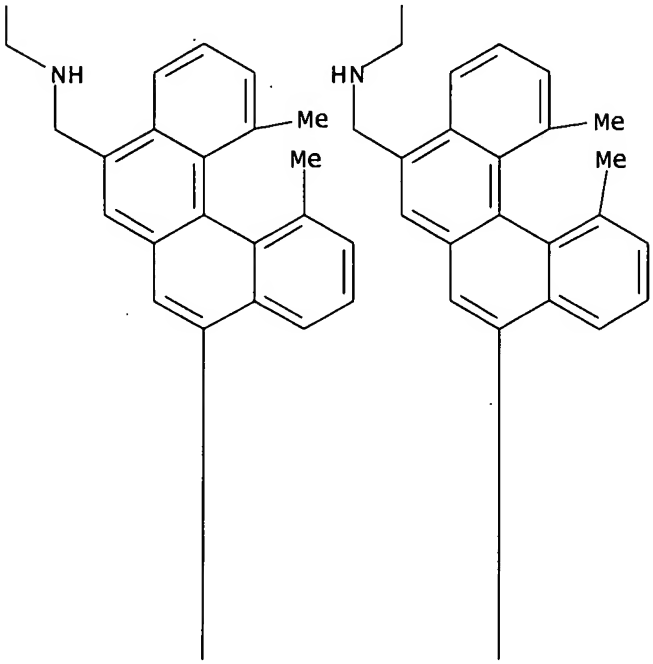
RN 886572-53-8 CAPLUS
CN Benzo[c]phenanthrene-5,8-dimethanamine, N-[[8-[[[[8-(aminomethyl)-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-N'-[[8-[[[[8-[[[[8-(aminomethyl)-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-1,12-dimethyl-,

heptahydrochloride, stereoisomer (9CI) (CA INDEX NAME)

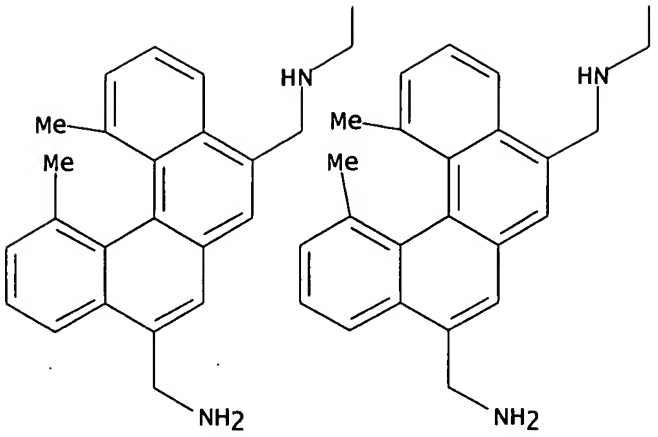
PAGE 1-A




PAGE 2-A



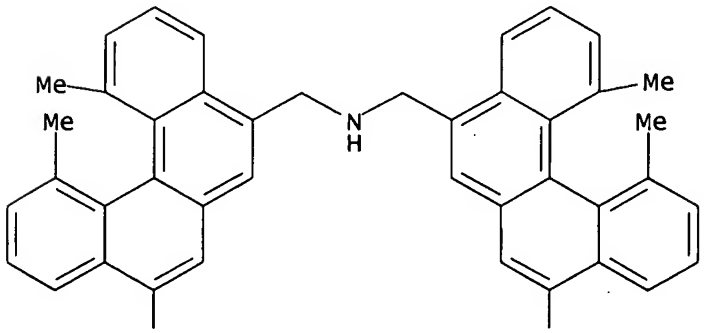
PAGE 3-A



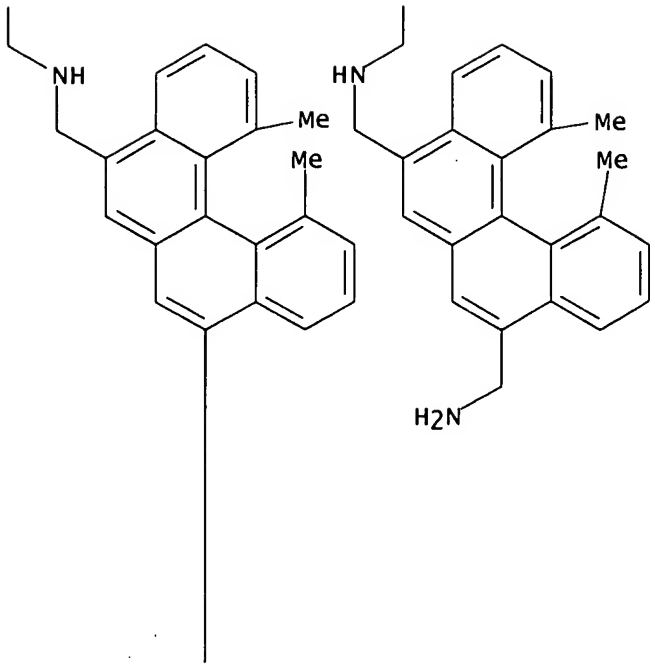

●7 HCl

RN 886572-57-2 CAPLUS
CN Benzo[c]phenanthrene-5,8-dimethanamine, N,N'-bis[[8-[[[[8-(aminomethyl)-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-1,12-dimethyl-, hexahydrochloride, stereoisomer (9CI) (CA INDEX NAME)

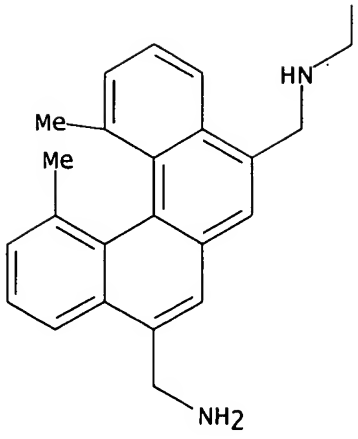
PAGE 1-A



PAGE 2-A



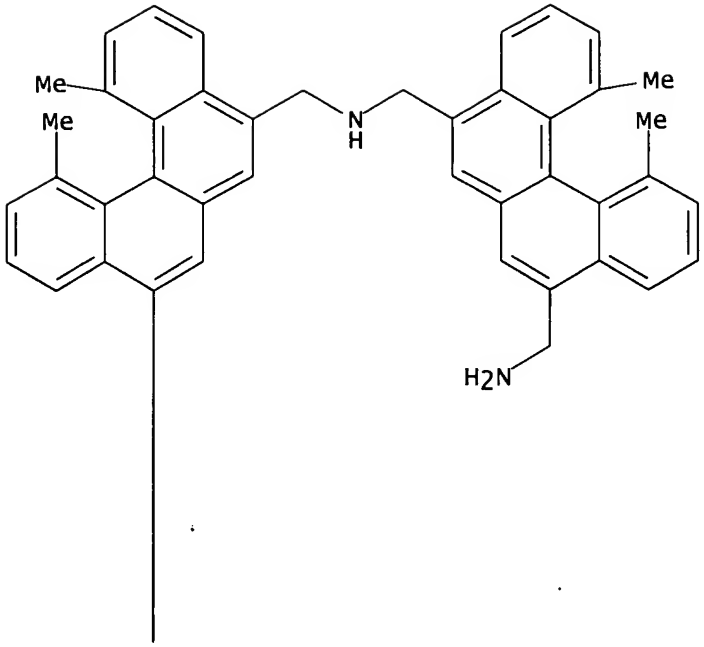

PAGE 3-A



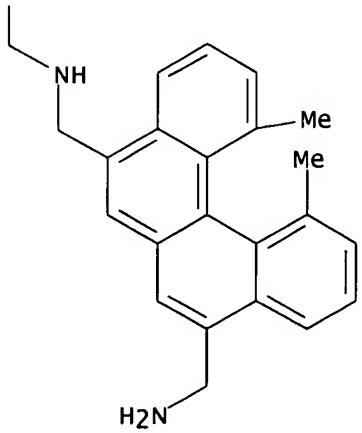

● 6 HCl

RN 886572-61-8 CAPLUS
CN Benzo[c]phenanthrene-5,8-dimethanamine, N,N'-bis[[8-(aminomethyl)-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-1,12-dimethyl-, tetrahydrochloride, stereoisomer (9CI) (CA INDEX NAME)

PAGE 1-A



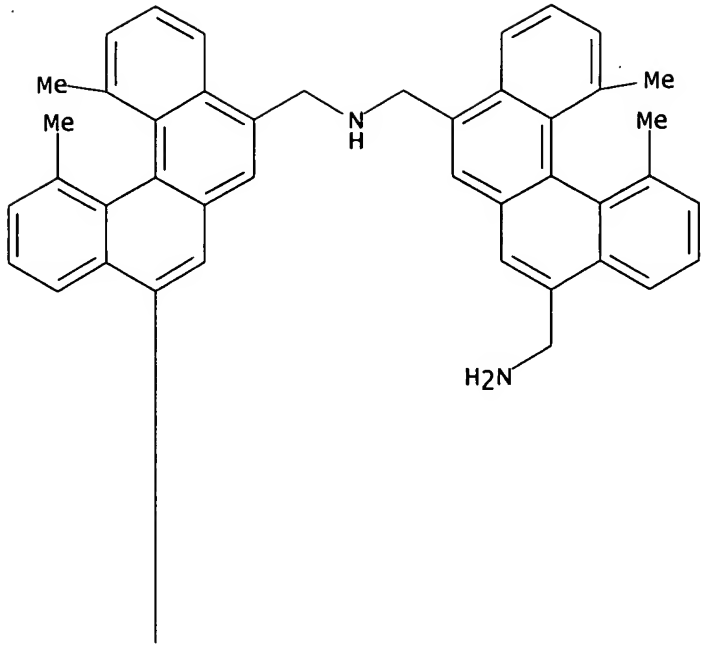

PAGE 2-A



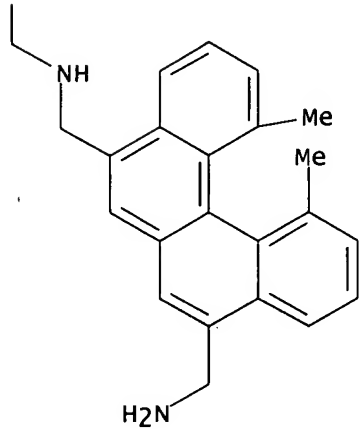

● 4 HCl

RN 886572-62-9 CAPLUS
CN Benzo[c]phenanthrene-5,8-dimethanamine, N,N'-bis[[8-(aminomethyl)-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-1,12-dimethyl-, tetrahydrochloride, stereoisomer (9CI) (CA INDEX NAME)

PAGE 1-A




PAGE 2-A



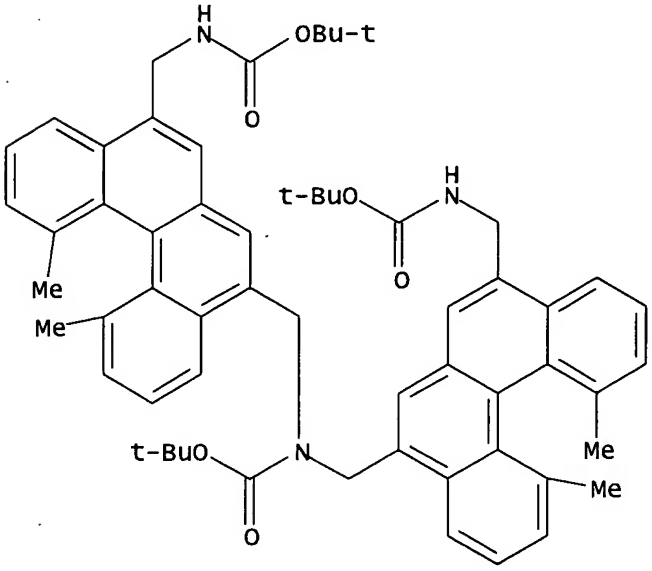

●4 HCl

IT 473277-03-1P 886572-52-7P 886572-54-9P
886572-56-1P 886572-58-3P 886572-59-4P
886572-60-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(synthesis of helicenediamine oligomers and their formation of

multilayer structures in aqueous solvents)

RN 473277-03-1 CAPLUS

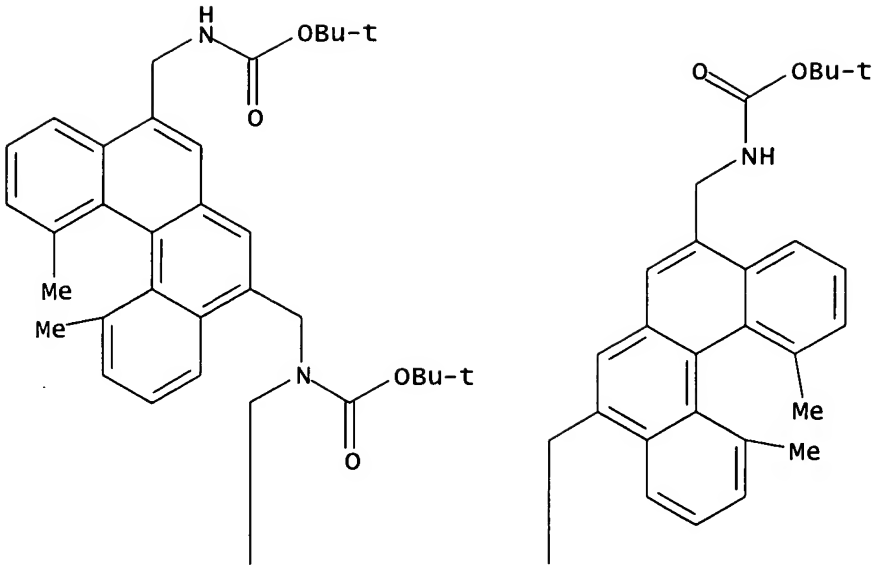
CN Carbamic acid, bis[[8-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-, 1,1-dimethylethyl ester, stereoisomer (9CI) (CA INDEX NAME)



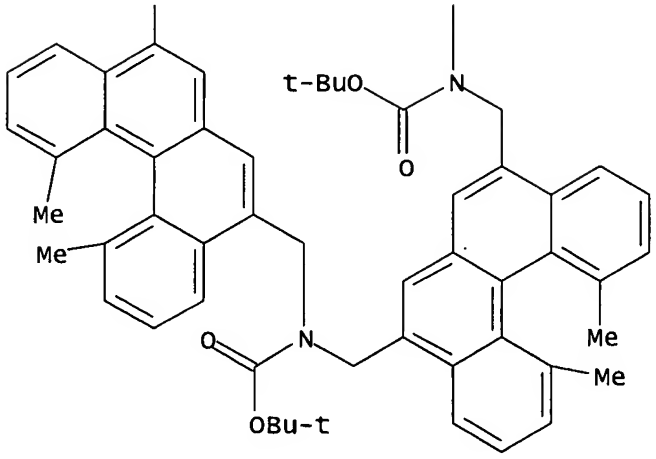

RN 886572-52-7 CAPLUS

CN Carbamic acid, bis[[8-[[[(1,1-dimethylethoxy)carbonyl][[8-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-, 1,1-dimethylethyl ester, stereoisomer (9CI) (CA INDEX NAME)

PAGE 1-A

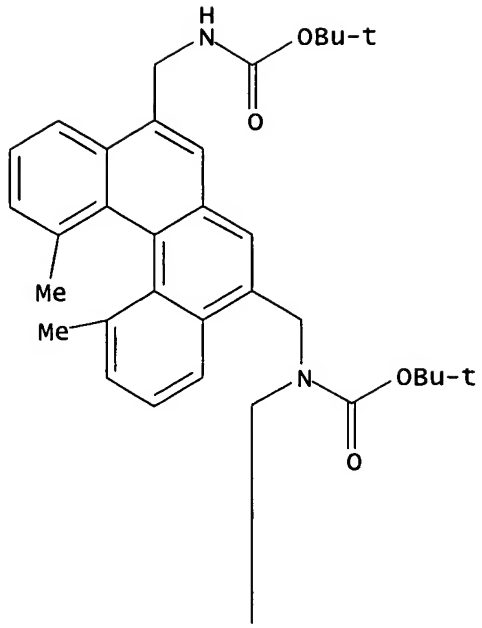


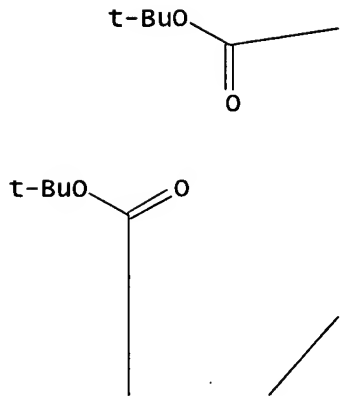

PAGE 2-A



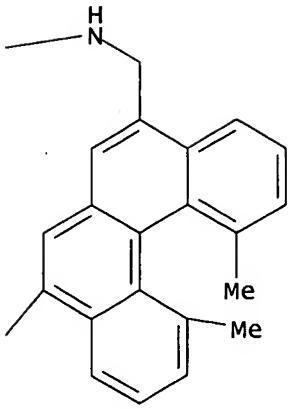

RN 886572-54-9 CAPLUS
CN Carbamic acid, bis[[8-[[[(1,1-dimethylethoxy)carbonyl][[8-[[[(1,1-dimethylethoxy)carbonyl][[8-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-, 1,1-dimethylethyl ester, stereoisomer (9CI) (CA INDEX NAME)

PAGE 1-A

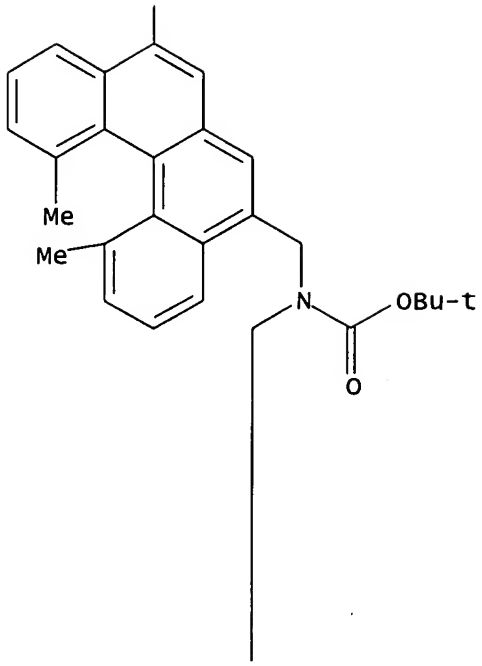


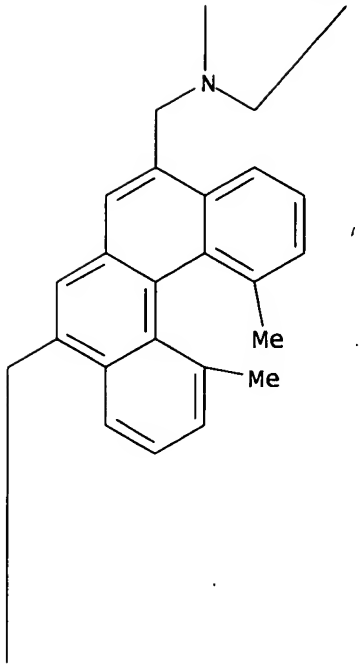




PAGE 1-B



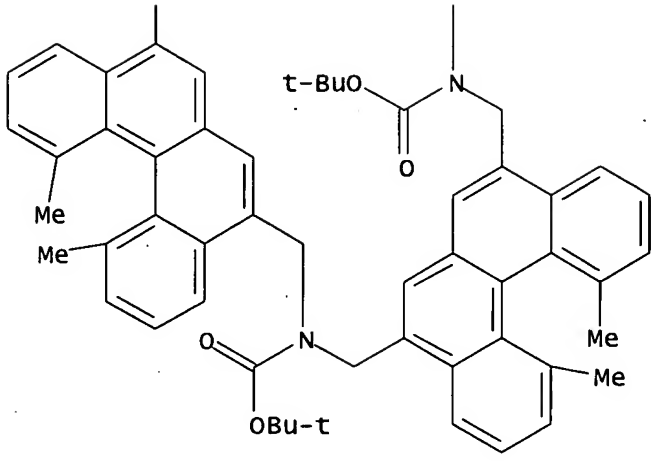
PAGE 2-A



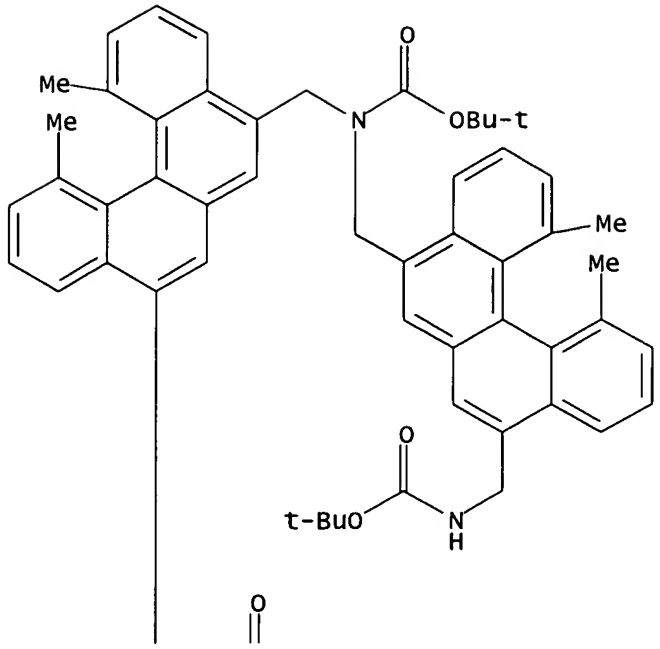

PAGE 2-B

PAGE 3-A

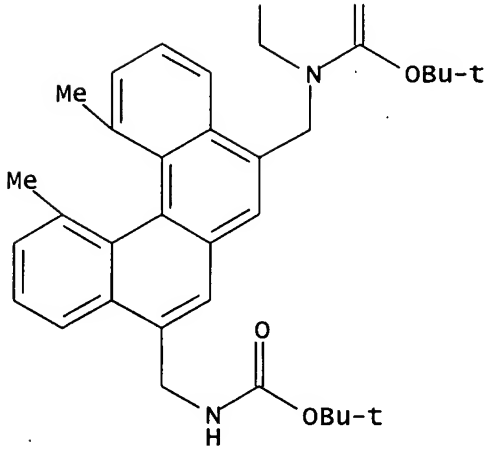



RN 886572-56-1 CAPLUS
CN Carbamic acid, [(1,12-dimethylbenzo[c]phenanthrene-5,8-diyl)bis(methylene)]bis[[[8-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-, bis(1,1-dimethylethyl) ester, stereoisomer (9CI) (CA INDEX NAME)

PAGE 1-A

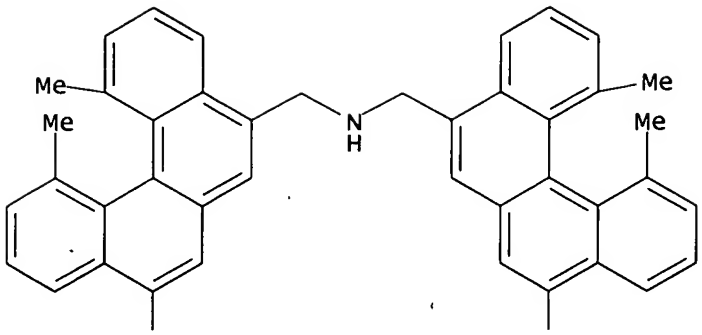



PAGE 2-A

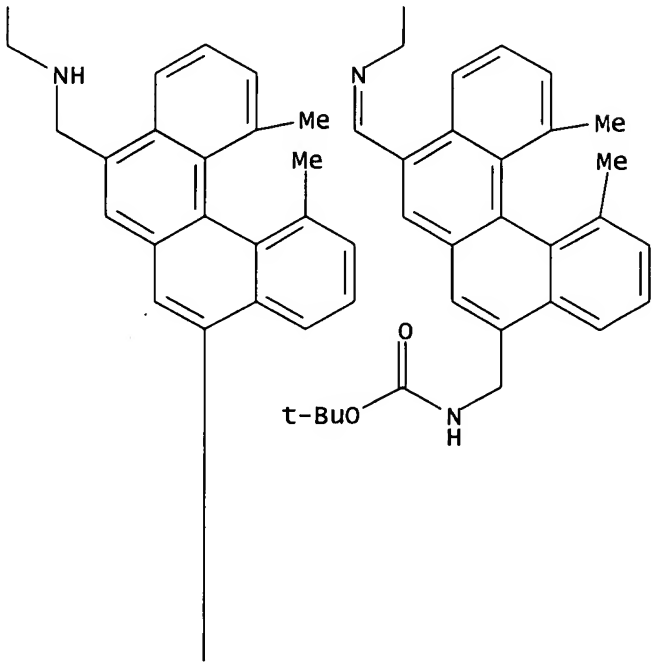



RN 886572-58-3 CAPLUS
CN Carbamic acid, [(1,12-dimethylbenzo[c]phenanthrene-5,8-diyl)bis[methyleneiminomethylene(1,12-dimethylbenzo[c]phenanthrene-8,5-diyl)methylenenitrilomethylidyne(1,12-dimethylbenzo[c]phenanthrene-8,5-diyl)]bis(methylene)]bis-, bis(1,1-dimethylethyl) ester, stereoisomer (9CI) (CA INDEX NAME)

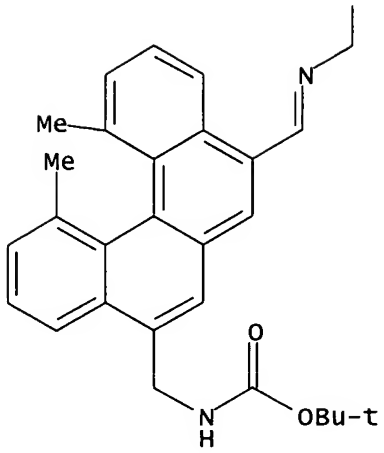
PAGE 1-A




PAGE 2-A

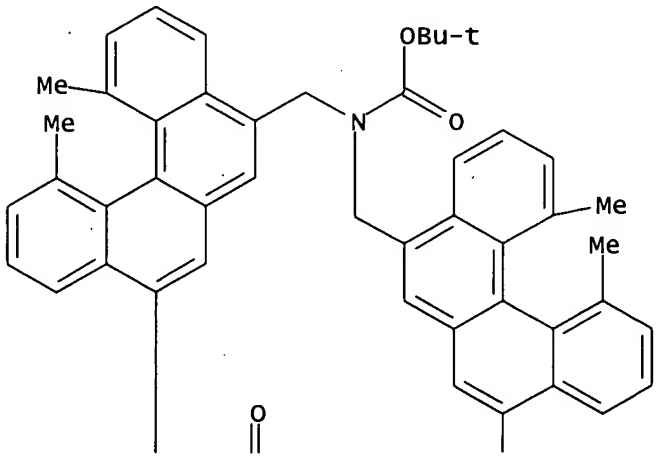


PAGE 3-A

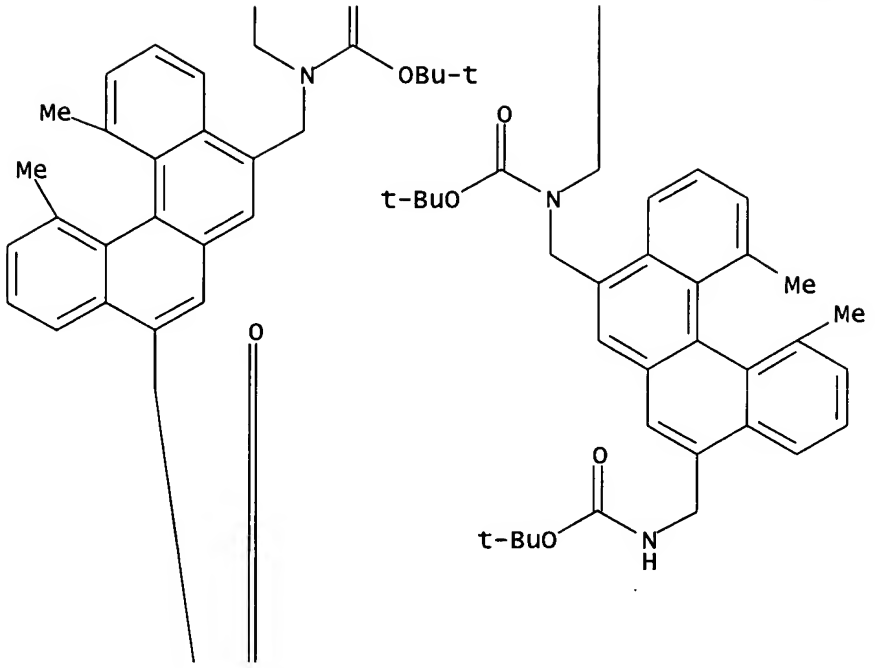



RN 886572-59-4 CAPLUS
CN Carbamic acid, [(1,12-dimethylbenzo[c]phenanthrene-5,8-diyl)bis(methylene)]bis[[8-[[[(1,1-dimethylethoxy)carbonyl][[8-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-, bis(1,1-dimethylethyl) ester, stereoisomer (9CI) (CA INDEX NAME)

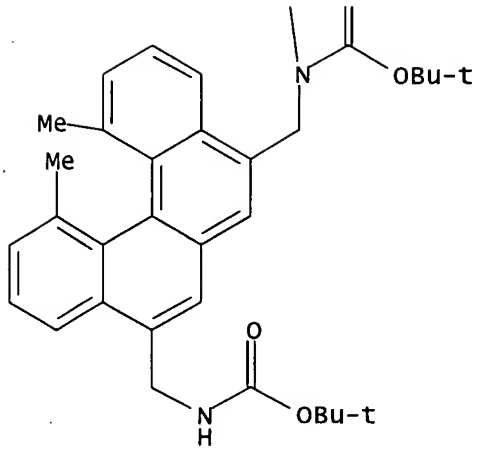
PAGE 1-A



PAGE 2-A

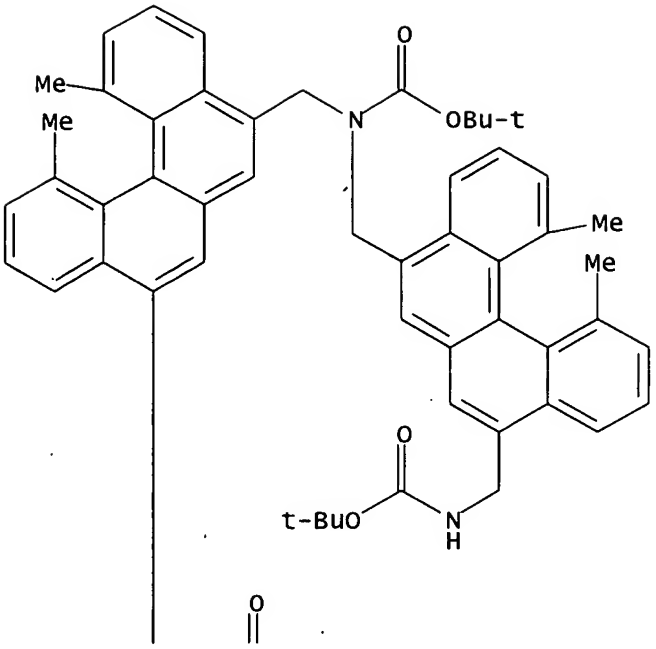



PAGE 3-A

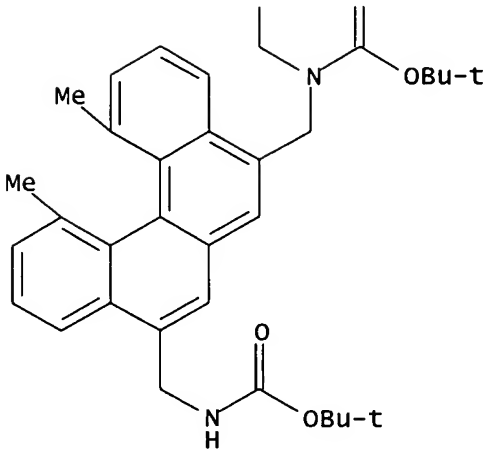



RN 886572-60-7 CAPLUS
CN Carbamic acid, [(1,12-dimethylbenzo[c]phenanthrene-5,8-diyl)bis(methylene)]bis[[[8-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-, bis(1,1-dimethylethyl) ester, stereoisomer (9CI) (CA INDEX NAME)

PAGE 1-A



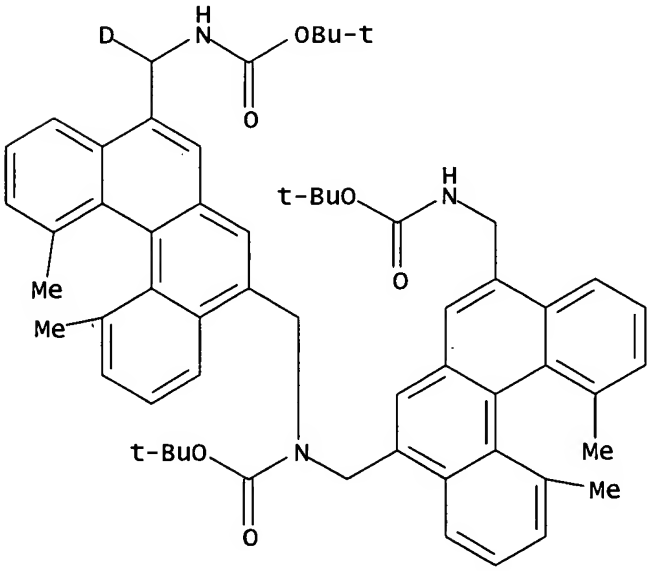

PAGE 2-A



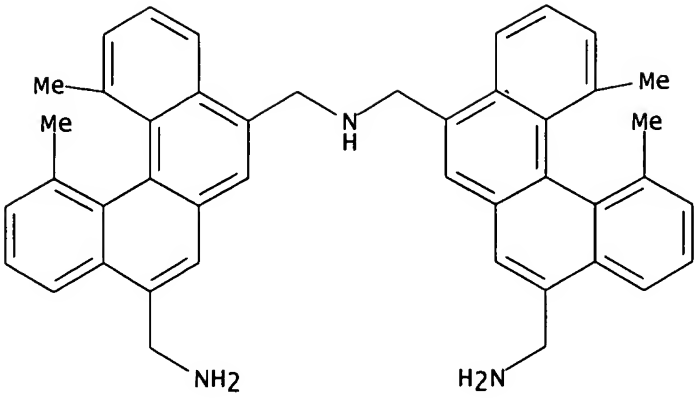

RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2002:502356 CAPLUS
DN 137:310497
TI Folding of dihelicenetriamines in water
AU Honzawa, Shinobu; Okubo, Hitoshi; Nakamura, Keiichi; Anzai, Shuzo; Yamaguchi, Masahiko; Kabuto, Chizuko
CS Graduate School of Pharmaceutical Sciences, Department of Organic

Chemistry, Tohoku University, Aoba, Sendai, 980-8578, Japan
SO Tetrahedron: Asymmetry (2002), 13(10), 1043-1052
CODEN: TASYE3; ISSN: 0957-4166
PB Elsevier Science Ltd.
DT Journal
LA English
OS CASREACT 137:310497
AB Diastereomeric triamines containing two helicene moieties, 1,12-dimethylbenzo[c]phenanthrene, were synthesized and found to form folded structures in water. Such folding was not observed for an achiral compound possessing a naphthalene moiety. The (M,M)-dihelicenetriamine with matching configuration at the helicene moieties formed a more stable folded structure than the (P,M)-isomer containing two enantiomeric helicene groups. The most stable folded conformation was predicted by the Monte Carlo method with Amber force field of the dihelicenetriamine.
IT 473277-07-5P 473277-12-2P 473277-17-7P
473277-21-3P 473277-24-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(chiral recognition in folding of dihelicenetriamines in water)
RN 473277-07-5 CAPLUS
CN Carbamic acid, [[8-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl][[8-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl-d]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-, 1,1-dimethylethyl ester, stereoisomer (9CI) (CA INDEX NAME)




RN 473277-12-2 CAPLUS
CN Benzo[c]phenanthrene-5,8-dimethanamine, N-[[8-(aminomethyl)-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-1,12-dimethyl-, trihydrochloride, stereoisomer (9CI) (CA INDEX NAME)

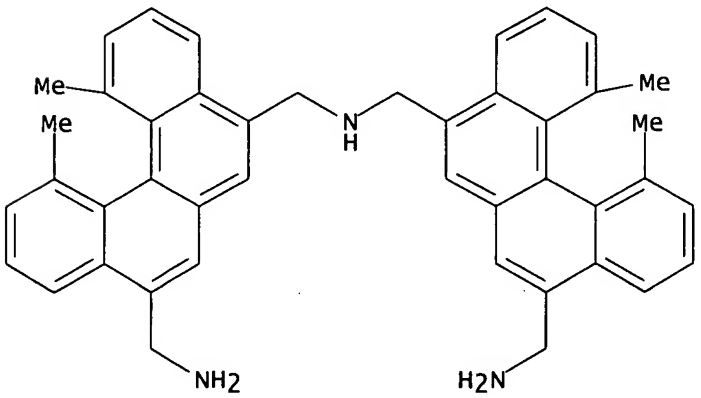



● 3 HCl

RN 473277-17-7 CAPLUS
CN Benzo[c]phenanthrene-5,8-dimethanamine, N-[[8-(aminomethyl)-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-1,12-dimethyl-, stereoisomer, triperchlorate (9CI) (CA INDEX NAME)

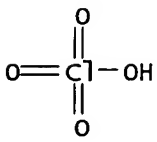
CM 1

CRN 473277-16-6
CMF C44 H41 N3




CM 2

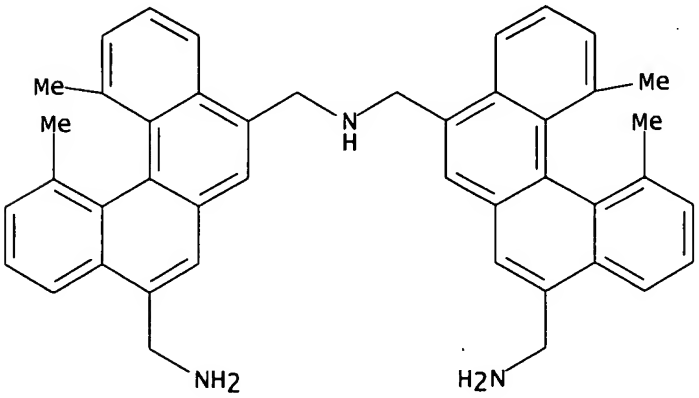
CRN 7601-90-3
CMF Cl H O4



RN 473277-21-3 CAPLUS
CN Benzo[c]phenanthrene-5,8-dimethanamine, N-[[8-(aminomethyl)-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-1,12-dimethyl-, stereoisomer, triperchlorate (9CI) (CA INDEX NAME)

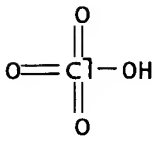
CM 1

CRN 473277-20-2
CMF C44 H41 N3




CM 2

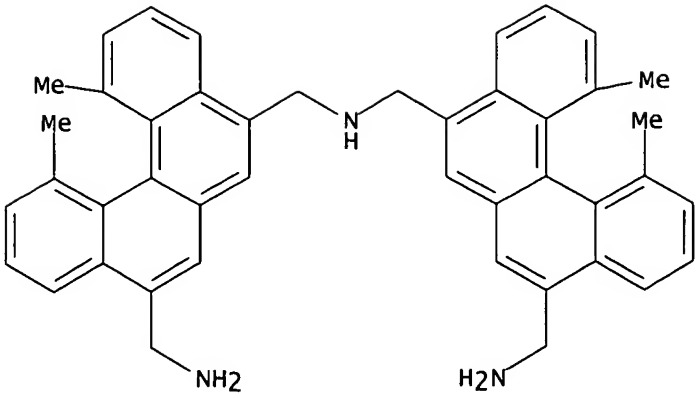
CRN 7601-90-3
CMF Cl H O4




RN 473277-24-6 CAPLUS
CN Benzo[c]phenanthrene-5,8-dimethanamine, N-[[8-(aminomethyl)-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-1,12-dimethyl-, stereoisomer, triperchlorate (9CI) (CA INDEX NAME)

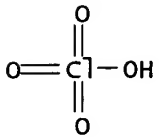
CM 1

CRN 473277-23-5
CMF C44 H41 N3




CM 2

CRN 7601-90-3
CMF Cl H O4

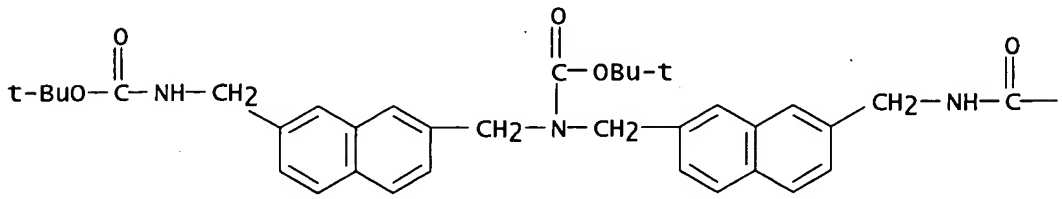



IT 473220-11-0P 473277-01-9P 473277-03-1P
473277-05-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(deprotection; chiral recognition in folding of dihelicenetriamines in water)

RN 473220-11-0 CAPLUS

CN Carbamic acid, bis[[7-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl]-2-naphthalenyl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

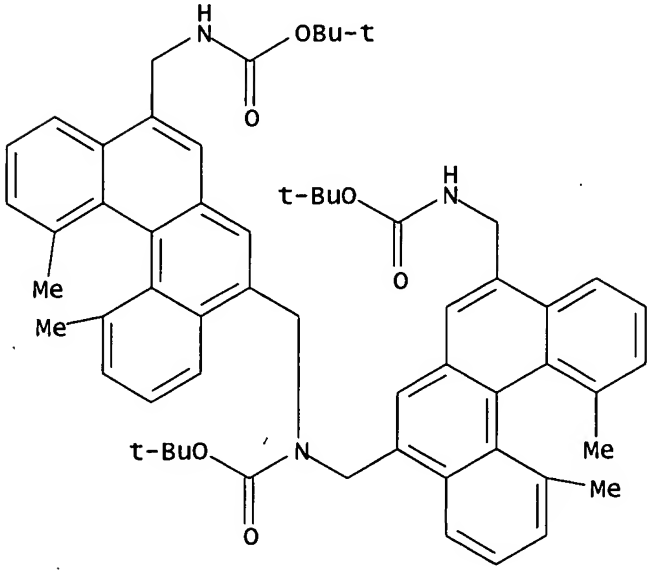
PAGE 1-A



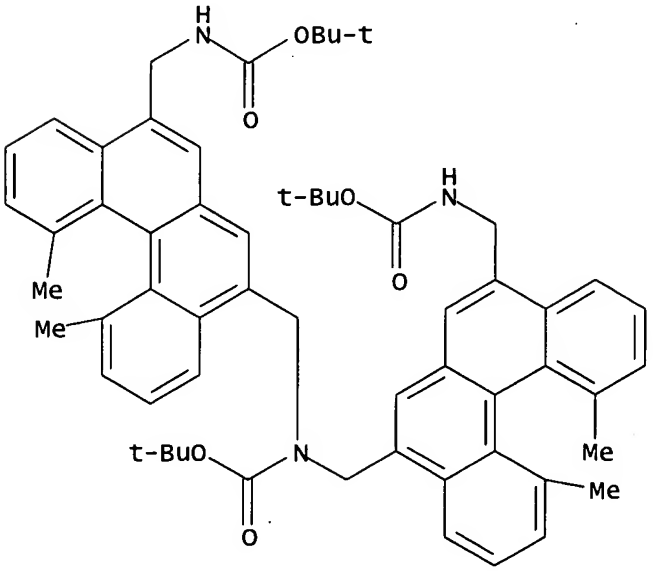

PAGE 1-B

—OBu-t

RN 473277-01-9 CAPLUS
CN Carbamic acid, bis[[8-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-, 1,1-dimethylethyl ester, stereoisomer (9CI) (CA INDEX NAME)

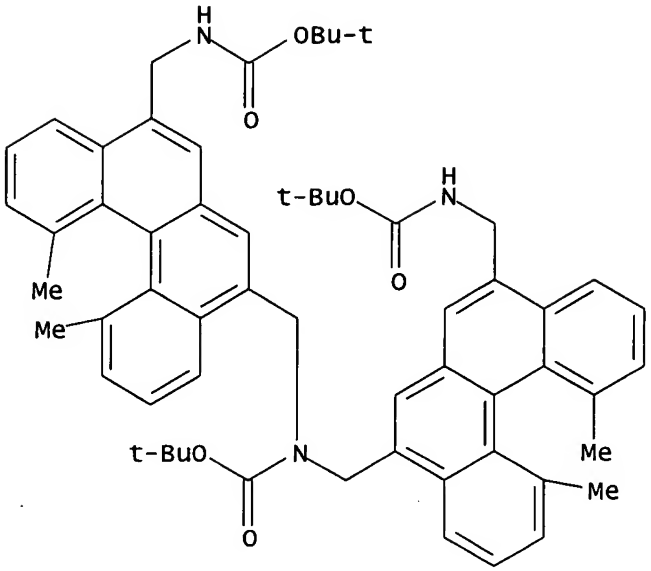


RN 473277-03-1 CAPLUS
CN Carbamic acid, bis[[8-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-, 1,1-dimethylethyl ester, stereoisomer (9CI) (CA INDEX NAME)



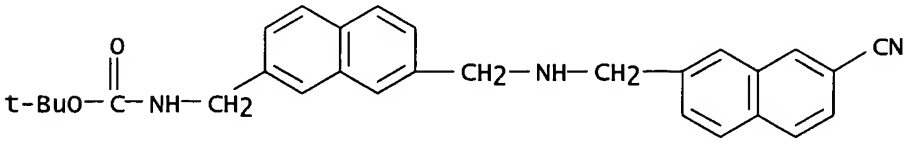
RN 473277-05-3 CAPLUS
CN Carbamic acid, bis[[8-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-, 1,1-dimethylethyl ester,

stereoisomer (9CI) (CA INDEX NAME)

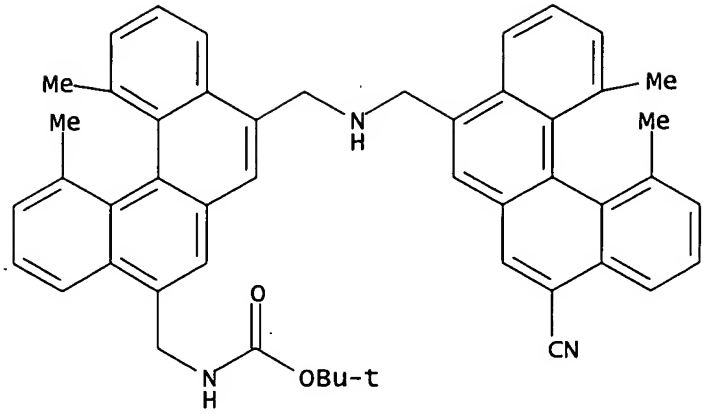



IT 473220-10-9P 473276-93-6P 473276-96-9P
473276-98-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(reduction/protection; chiral recognition in folding of dihelicenetriamines in water)

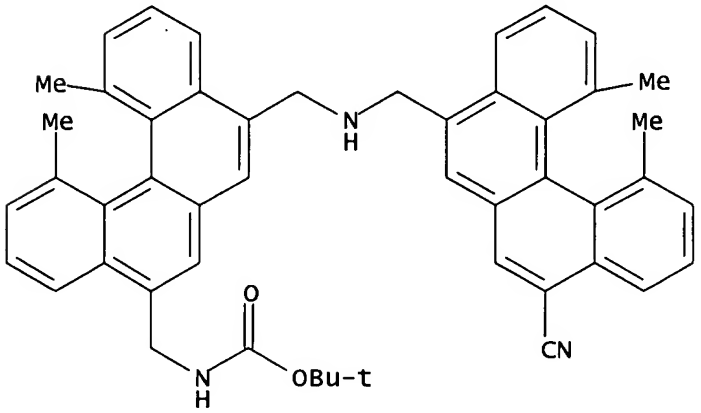
RN 473220-10-9 CAPLUS
CN Carbamic acid, [[7-[[[(7-cyano-2-naphthalenyl)methyl]amino]methyl]-2-naphthalenyl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



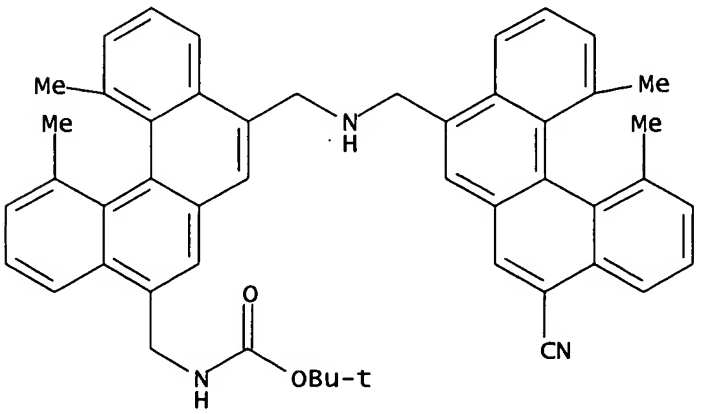

RN 473276-93-6 CAPLUS
CN Carbamic acid, [[8-[[[(8-cyano-1,12-dimethylbenzo[c]phenanthren-5-yl)methyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-, 1,1-dimethylethyl ester, stereoisomer (9CI) (CA INDEX NAME)



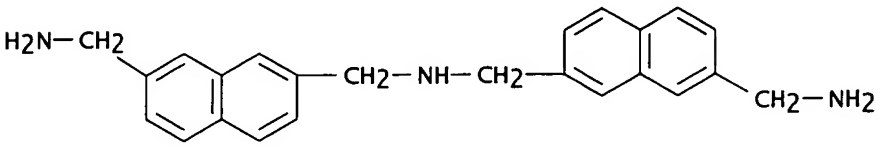

RN 473276-96-9 CAPLUS
CN Carbamic acid, [[8-[[[(8-cyano-1,12-dimethylbenzo[c]phenanthren-5-yl)methyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-, 1,1-dimethylethyl ester, stereoisomer (9CI) (CA INDEX NAME)




RN 473276-98-1 CAPLUS
CN Carbamic acid, [[8-[[[(8-cyano-1,12-dimethylbenzo[c]phenanthren-5-yl)methyl]amino]methyl]-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-, 1,1-dimethylethyl ester, stereoisomer (9CI) (CA INDEX NAME)

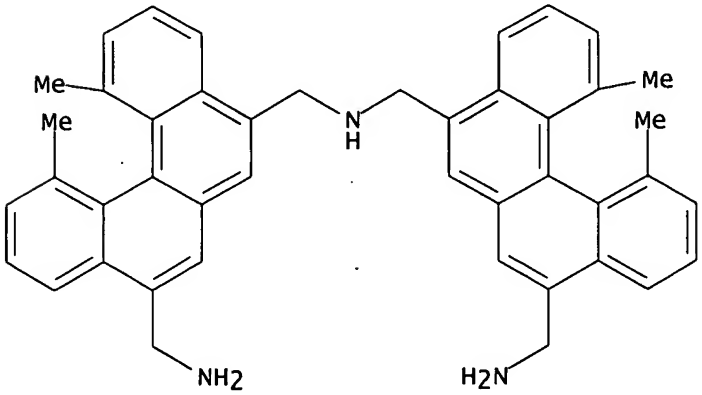


IT 473220-12-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(reference; chiral recognition in folding of dihelicenetriamines in water)
RN 473220-12-1 CAPLUS
CN 2,7-Naphthalenedimethanamine, N-[[7-(aminomethyl)-2-naphthalenyl]methyl]-, trihydrochloride (9CI) (CA INDEX NAME)



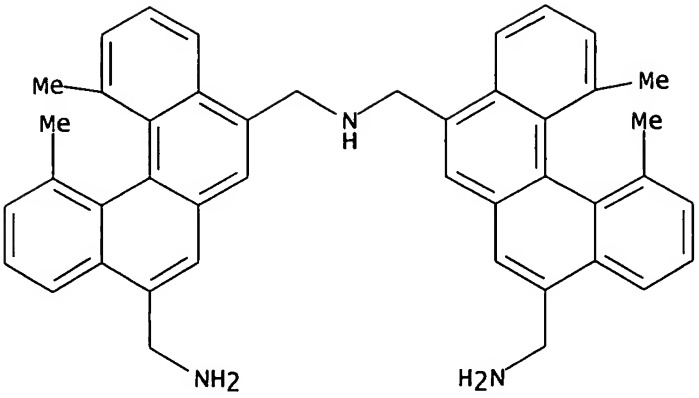

●3 HCl

IT 473277-09-7P 473277-14-4P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(target helicenetriamine; chiral recognition in folding of dihelicenetriamines in water)
RN 473277-09-7 CAPLUS
CN Benzo[c]phenanthrene-5,8-dimethanamine, N-[[8-(aminomethyl)-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-1,12-dimethyl-, trihydrochloride, stereoisomer (9CI) (CA INDEX NAME)




●3 HCl

RN 473277-14-4 CAPLUS
CN Benzo[c]phenanthrene-5,8-dimethanamine, N-[[8-(aminomethyl)-1,12-dimethylbenzo[c]phenanthren-5-yl]methyl]-1,12-dimethyl-, trihydrochloride, stereoisomer (9CI) (CA INDEX NAME)




● 3 HCl

RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1998:553495 CAPLUS
DN 129:230402
TI Doubly docked pseudorotaxanes. Molecular meccano. Part 39.
AU Ashton, Peter R.; Fyfe, Matthew C. T.; Martinez-Diaz, M.-Victoria; Menzer, Stephan; Schiavo, Cesare; Stoddart, J. Fraser; White, Andrew J. P.; Williams, David J.
CS School of Chemistry, The University of Birmingham, Birmingham, B15 2TT, UK
SO Chemistry--A European Journal (1998), 4(8), 1523-1534
CODEN: CEUJED; ISSN: 0947-6539
PB Wiley-VCH Verlag GmbH
DT Journal
LA English
AB The complexation phenomena associated with the ditopic crown ether bis-p-phenylene[34]crown-10 (BPP34C10) and four bis-ammonium salts, each endowed with two bulky 3,5-di-tert-butylbenzyl termini and a pair of NH2+ centers that are linked through a suitable spacer unit, have been studied. These studies have led to a route to the supramol. syntheses of singly stranded, doubly docked [2]pseudorotaxanes, in which each NH2+ center interacts simultaneously with the crown ether's independent polyether arcs, so that one dicationic unit can interpenetrate the cavity of one BPP34C10 macro-ring by means of hydrogen-bonding interactions. NMR spectroscopy, mass spectrometry, and X-ray crystallog. demonstrate (in solution, in the gas phase, and in the solid state, resp.) that the doubly docked [2]pseudorotaxanes are generated through the self-assembly of BPP34C10 with bis-ammonium dications bearing p-xylylene, 2,6-naphthalenebis(methylene), or hexamethylene spacer units. In contrast, X-ray crystallog. shows that a supermol., possessing a hot-dog-like co-conformation, is synthesized noncovalently when BPP34C10 self-assembles with a bis-ammonium salt in which the NH2+ centers are separated by a shorter pentamethylene spacer unit. The double docking of one of the bis-ammonium dications within BPP34C10's cavity has been utilized in a prototypical chromophoric supramol. device that operates in response to changes in its surrounding pH. A 1:1:1 solution of the hexafluorophosphate salt of this bis-ammonium dication with BPP34C10 and a 4,4'-bipyridinium salt is colorless, since the crown ether complexes preferentially with the bis-ammonium dication. Conversely, it is red in

the presence of iPr2NEt because the NH2+ centers are deprotonated, forcing the crown ether to interact with the 4,4'-bipyridinium salt by means of, inter alia, charge-transfer interactions. This process is reversible, since the solution is decolorized upon treatment with CF3CO2H.

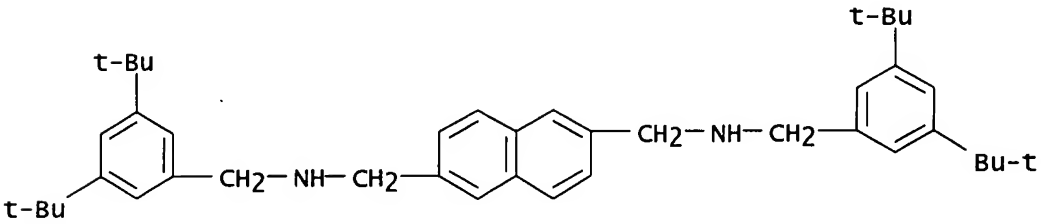
IT 212890-50-1P
RL: PEP (Physical, engineering or chemical process); PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); PROC (Process); RACT (Reactant or reagent)
(supramol. syntheses of singly stranded doubly docked [2]pseudorotaxanes comprised of bis-p-phenylene[34]crown-10 and bis-ammonium salts and demonstration of pH-sensitive chromophoric supramol. device)

RN 212890-50-1 CAPLUS

CN Phosphate(1-), hexafluoro-, hydrogen, compd. with N,N'-bis[[3,5-bis(1,1-dimethylethyl)phenyl]methyl]-2,6-naphthalenedimethanamine (2:1) (9CI) (CA INDEX NAME)

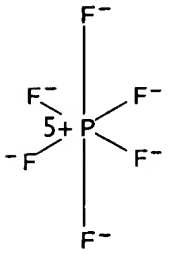
CM 1

CRN 212890-49-8
CMF C42 H58 N2




CM 2

CRN 16940-81-1
CMF F6 P . H
CCI CCS




● H+

IT 212890-70-5P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(supramol. syntheses of singly stranded doubly docked [2]pseudorotaxanes comprised of bis-p-phenylene[34]crown-10 and

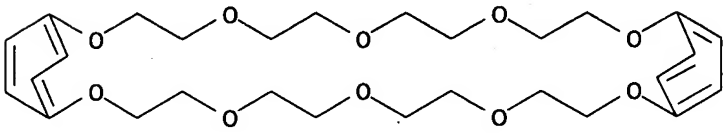
bis-ammonium salts and demonstration of pH-sensitive chromophoric supramol. device)

RN 212890-70-5 CAPLUS

CN Phosphate(1-), hexafluoro-, hydrogen, rotaxane compd. with N,N'-bis[[3,5-bis(1,1-dimethylethyl)phenyl]methyl]-2,6-naphthalenedimethanamine and 2,5,8,11,14,19,22,25,28,31-decaoxatricyclo[30.2.2.215,18]octatriaconta-15,17,32,34,35,37-hexaene (2:1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 53914-95-7
CMF C28 H40 O10

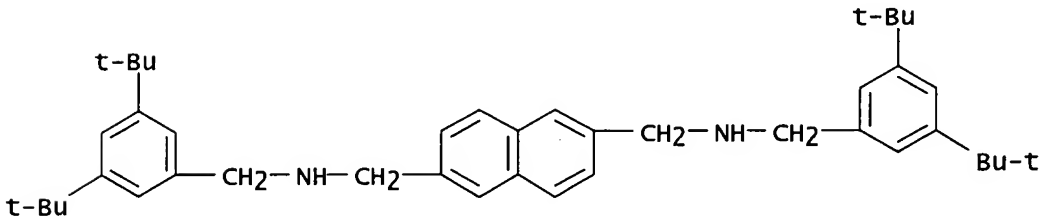


CM 2

CRN 212890-50-1
CMF C42 H58 N2 . 2 F6 P . 2 H

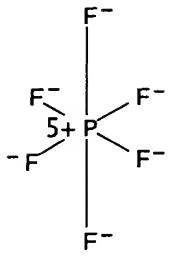
CM 3

CRN 212890-49-8
CMF C42 H58 N2



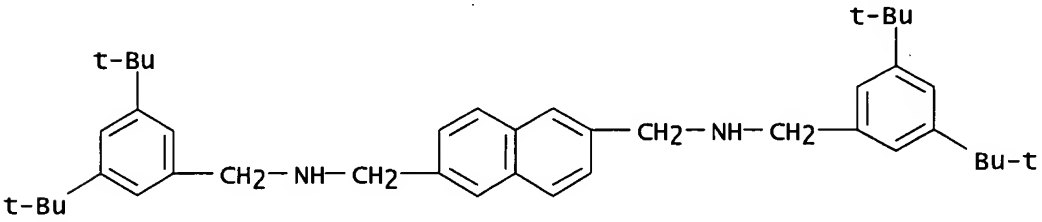

CM 4

CRN 16940-81-1
CMF F6 P . H
CCI CCS



● $H^+$

IT 212890-62-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(supramol. syntheses of singly stranded doubly docked [2]pseudorotaxanes comprised of bis-p-phenylene[34]crown-10 and bis-ammonium salts and demonstration of pH-sensitive chromophoric supramol. device)
RN 212890-62-5 CAPLUS
CN 2,6-Naphthalenedimethanamine, N,N'-bis[[3,5-bis(1,1-dimethylethyl)phenyl]methyl]-, dihydrochloride (9CI) (CA INDEX NAME)



●2 HCl

RE.CNT 64 THERE ARE 64 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

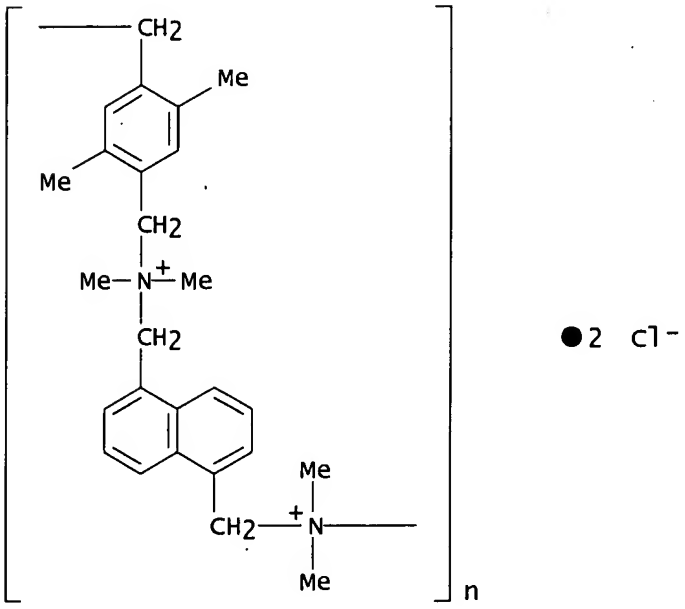
L4 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1984:572145 CAPLUS
DN 101:172145
TI Study of the viscosity of aliphatic-aromatic ionenes in aqueous and aqueous-organic solvents
AU Burmistr, M. V.; Degtyarev, O. E.; Larionov, E. Yu.; Pchelinova, L. I.
CS USSR
SO Voprosy Khimii i Khimicheskoi Tekhnologii (1983), 72, 50-4
CODEN: VKKCAJ; ISSN: 0321-4095
DT Journal
LA Russian
AB For 6 ionenes prepared from mono- and binuclear tertiary diamines and dihalides, the reduced viscosity of aqueous solns. increased with decreasing concentration and decreased with increasing ionic strength. The concentration dependence of viscosity passed through a maximum in dilute aqueous solns. Addition of

MeOH [67-56-1] decreased the viscosity, and the dependence of viscosity on MeOH-H2O ratio was described by curves with 1 or 2 maximum The viscosity behavior of the ionenes is discussed in terms of coulombic repulsion along the chains.

IT 82350-12-7
RL: PRP (Properties)
(viscosity of aqueous and aqueous methanol solns. of)

RN 82350-12-7 CAPLUS

CN Poly[(dimethyliminio)methylene-1,5-naphthalenediylmethylene(dimethyliminio)methylene(2,5-dimethyl-1,4-phenylene)methylene dichloride] (9CI) (CA INDEX NAME)




L4 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1983:97850 CAPLUS

DN 98:97850

TI Inhibition of cathodic evolution of hydrogen on iron in hydrochloric acidduring adsorption of mono- and polymeric quaternary salts of ammonium

AU Reshetnikov, S. M.; Kichigin, V. I.; Burmistr, M. V.

CS Udmurt. Gos. Univ., Udmurt, USSR

SO Zashchita Metallov (1982), 18(6), 927-30
CODEN: ZAMEA9; ISSN: 0044-1856

DT Journal

LA Russian

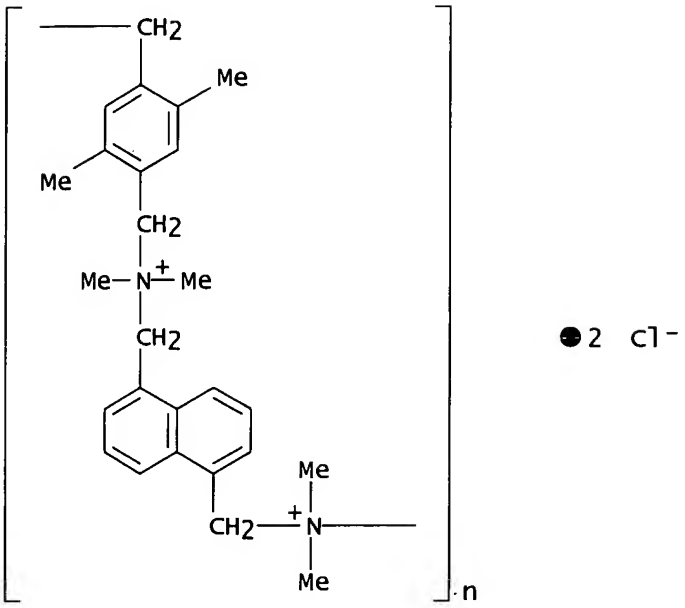
AB The inhibition was examined of the H evolution reaction on an Fe electrode in HCl by quaternary ammonium salts of the following structure (I, where n = 27 ± 3). For comparison the effect was studied of the monomeric quaternary ammonium salt (II).

IT 82350-12-7
RL: PRP (Properties)
(corrosion inhibitor, for iron in hydrochloric acid, adsorption in relation to)

RN 82350-12-7 CAPLUS

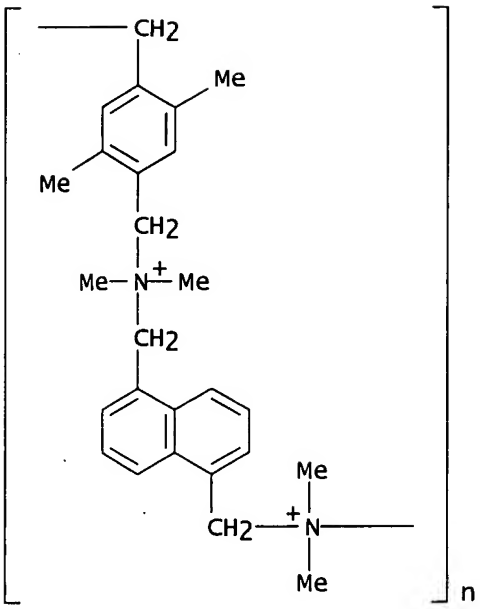
CN Poly[(dimethyliminio)methylene-1,5-naphthalenediylmethylene(dimethyliminio)methylene(2,5-dimethyl-1,4-phenylene)methylene dichloride] (9CI) (CA

INDEX NAME)



● 2 $Cl^-$

L4 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1982:439615 CAPLUS
DN 97:39615
TI Viscosity of aqueous solutions of poly[bis(arylene)dimethylammonium chloride] ionenes
AU Burmistr, M. V.; Svetkin, Yu. V.
CS USSR
SO Voprosy Khimii i Khimicheskoi Tekhnologii (1981), 63, 75-8
CODEN: VKKCAJ; ISSN: 0321-4095
DT Journal
LA Russian
AB Reduced viscosities as function of the concentration of aqueous solns. of the title ionenes had maximum at <0.01 g/dL which shifted toward higher concns. (.apprx.0.01-0.02 g/dL) upon incorporation of biphenyl units between quaternary N atoms of the main chains due to increased hydrophobicity of the polymers. The presence of O or S bridge groups in the biphenyl units did not affect the maximum because of the enhanced flexibility of the chains. The rising segments of the viscosity-concentration curves were well described by the Fuoss and Libretti-Stivala equations, the coeffs. of which correlated with electron d. calculated for the N atoms of the ionenes.
IT 82350-12-7
RL: PRP (Properties)
(viscosity of)
RN 82350-12-7 CAPLUS
CN Poly[(dimethyliminio)methylene-1,5-naphthalenediylmethylene(dimethyliminio)methylene(2,5-dimethyl-1,4-phenylene)methylene dichloride] (9CI) (CA INDEX NAME)




● 2 $Cl^-$